

CLAIMS

1. A liquid crystal device comprising
  - a pair of first and second transparent substrates,
  - a liquid crystal layer held between the first and second substrates,
  - a laminate which is formed on the surface on the liquid crystal layer side of the second substrate and in which at least a transfective layer and a transparent electrode layer are stacked together,
  - an illuminating device arranged on the side opposite to the liquid crystal layer of the second substrate,
  - a first polarizing plate arranged on the side opposite to the liquid crystal layer of the first substrate,
  - a first phase plate arranged between the first substrate and the first polarizing plate,
  - a second polarizing plate arranged between the second substrate and the illuminating device, and
  - a second phase plate arranged between the second substrate and the second polarizing plate.
2. A liquid crystal device according to Claim 1, wherein, in the laminate, there are stacked the transfective layer, a color filter, a protective layer and the transparent electrode layer in that order from the side near the second substrate.

3. A liquid crystal device according to Claim 1, wherein, in the laminate, there are stacked the transflective layer, an insulating layer and the transparent electrode layer in that order from the side near the second substrate.
4. A liquid crystal device according to Claim 3, wherein, on the surface on the liquid crystal layer side of the first substrate, there are formed a color filter and a protective layer in that order from the side near the first substrate.
5. A liquid crystal device according to Claim 3, wherein the insulating layer is formed by oxidizing the surface portion of the transflective layer.
6. A liquid crystal device according to Claim 3, wherein the insulating layer comprises two or more different kinds of insulating layers stacked together.
7. A liquid crystal device according to Claim 3, wherein, in the laminate, a color filter is further stacked between the insulating layer and the transparent electrode layer.
8. A liquid crystal device according to Claim 7, wherein, in the laminate, a protective layer is further formed between the color filter and the transparent electrode layer.
9. A liquid crystal device according to Claim 3, further comprising an active element formed on the insulating layer and connected to the transparent electrode layer.
10. A liquid crystal device according to Claim 1, wherein

a plurality of openings are formed in the transflective layer.

9 11. A liquid crystal device according to Claim 1, wherein a plurality of said transflective layers are formed in lines at ~~a~~ predetermined intervals.

12. A liquid crystal device according to Claim 1, wherein the device is in a dark (black) state when it is not being driven.

13. A liquid crystal device according to Claim 1, wherein the transflective layer contains not less than 95% by weight of Al and has a thickness of not less than 10 nm and not more than 40 nm.

14. A liquid crystal device according to Claim 1, further comprising a scattering plate arranged on the side opposite to the liquid crystal layer of the first substrate.

15. A liquid crystal device according to Claim 1, wherein the transflective layer has recesses and protrusions.

16. An electronic apparatus equipped with a liquid crystal device as claimed in Claim 1.

add  
a1